LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

Class 50-2-SPECIAL **Dept.** DRAWING ROOM

CONSTRUCTION ORDER No.	SHOP NUMBERS	DATE
400	3234	7-23-'23

400
(3234)
50-2

400
50-2
3234

FORM LED 60

ADDITIONS AND CHANGES

400

ADDITIONS

DATE	Page	ITEMS	Check
7-26-'23.	2	59	
8-2-'23.	9	2	
8-3-'23.	3	1-13-14	
8-14-'23.	3	47-48-53-54-56-57-58	
" " "	4	3-4-5-6	
" " "	10	42-53-60-61	
" " "	11	1-2-3-5-6-7-9T616-21-27-23-24	
" " "	18	19-20-48-49-50-51	
8-20-'23.	27	1-5-6-7-10-11	
" " "	26	45-46	
" " "	12	39-41-55-56	
" " "	10	14	
" " "	4	40	
" " "	10	42	
" " "	24	52	
8-23-'23.	26	31-32	
8-24-'23.	11	28-29	
" " "	18	27	
" "	18	41	
8-29-'23.	10	3	
8-31-'23.	10	1	
" " "	12	59	
9-4-'23	7	10	
9-6-'23	7	48-	
" " "	9	56	
" " "	12	24-26-34-36	
" " "	18	41	
" " "	28	50	
" " "	18	27	
9-17-'23	25	29 [illegible] 8	✓
9-19-'23	22	59	✓

ADDITIONS

DATE	Page	ITEMS	Check

CHANGES

DATE	Page	ITEMS	Check
8-3-'23.	13	61	
8-14-'23.	10	51-52	
8-29-'23	21	49	
" " "	12	19	
" " "	12	13-15	
8-31-'23.	12	60	
9-6-'23	13	17	
9-8-'23.	4	12	
9-10-'23.	25	2-3	
9-14-'23	13	45	

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
M	1	ASH PAN 6	1	11956 LINE 6	PLATE	—	—	—	—	—
M	2	" Pan Material Bill	1 SET	10M05000-A		—	—	—	—	—
	3	" " Hopper								
	4	" " Slide								
	5	" " Door Frame								
	6	" " Slide Frame								
	7	" " Door Links								
	8	" " Damper Rigging								
M	9	" " " Bell Crank 6	1	11956		119-F-71				
M	10	" " " " " Fulcrum 6	1	"	BAR STOCK	—				
M	11	" " " Hinge 6	4	5½" x 2" x 7½"	HALF BUTT	—				
	12	" " " " Lug	—							
	13	" " " " Bar	—							
M	14	" " " Lift—Front 6	1	11956		119-F-85				
M	15	" " " " —Rear 6	1	"		119-F-86				
M	16	" " " Lug 6	1	"		119-F-53				
M	17	" " " " 6	1	"		119-F-34				
M	18	" " " Rod Jaw 6	1	"		119-F-31				
M	19	" " " " " 6	1	"		119-F-67				
	20	" " Netting Frames								
	21	" " Slide Rigging								
	22	" " " Rod								
	23	" " " Jaw								
	24	" " Shaft Bearing								
M	25	" " Cleaning Door Hinge 6	4	4½" x 1¾" x 6"	HALF BUTT	—	—	—	—	—
	26	" " Bell Crank Bracket	—							
	27									
	28									
	29									
	30	GROUP 11—AXLES								
M	31	AXLE 10	4	112B5020		112B5020	—	—	—	—
	32	"	—							
	33	GROUP 12—BELL								
M	34	BELL 5	1	122A5016			—		12-1	
M	35	" Frame 5	1	123A5000			12-4			
M	36	" " Base 5	1	122A5013			12-152			
M	37	" Yoke 5	1	123A5000			12-5			
M	38	" " Nut 5	1	122A5011			12-6			
M	39	" " Pin 5	1	123A5000	BAR STOCK					12-7
M	40	" Crank 5	1	122A5010						12-2
M	41	" Tongue 5	1	122A5017						
M	42	" " Fulcrum 5	1	122A5018			12-3			
	43	" Ringer Bracket	—							
M	44	" Rope ~~Details~~ EYE 5	3	TO SUIT ERECT. SHOP	PURCHASED		—			
M	45	" " Sheave 5	2	122A5019			12-21			
M	46	" " " Chair 5	1	122A5022			12-20			
M	47	" " " Frame 5	1	122A5020			12-18			
M	48	" " Thimble 5	1	122A6021			12-19			
	49	" " " Washer	—							
	50	" Ringer	—							
	51									
	52	GROUP 13—BOILER								
M	53	Boiler Plan 9	1	138J5001			—	—	—	—
	54	" Sections	—							
M	55	" Material Bill	1 SET	13M05038-A			—	—	—	—
M	56	" Bracing List 9	1 "	138J5001			—	—	—	—
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS								
M	1	Boiler Brace Rod Ends 9	22	11754 SET 12		117-F-201	—	—	—	—
M	2	" " " " 9	4	310-D-165		310-5-104	—	—	—	—
	3	" " " "								
	4	" " " "								
	5	" " " "								
M	6	" " " Lugs 9	4	310-D-265		310-5-29	—	—	—	—
	7	" " " "								
	8	" " " "								
	9	" " " "								
M	10	" " " Jaws 9	22	310-D-148		310-5-64	—	—	—	—
M	11	" " " " 9	4	310-D-265		310-5-186	—	—	—	—
	12	" " " "								
	13	" " " "								
	14	" " " "								
	15	" " " "								
	16	" Sling Stay								
	17	" " "								
M	18	" Throat Brace 9	6	142 A 139		142 A 139	—	—	—	—
	19	" " "								
	20	" Crown Bars								
	21	" " Roof Irons								
M	22	" Stay Bolt 9	391	4535 LINE 1		4535 LINE 1				
M	23	" " " 9	263	4535 " 2	ROME HOLLOW	4535 " 2				
M	24	" Radial Stay 9	120	11721 " 2		11721 " 2				
M	25	" " " 9	68	11745		11745				
M	26	" " " 9	16	1⅛" TATE STYLE D	PURCHASED					
M	27	" ~~Cross Stay~~ " SLEEVES 9	16	" " H						
M	28	" ~~Tee Bar~~ " CAPS 9	16	" " D						
M	29	" TEE BAR 9	2	22" LONG	6"x1"x5¼"x¼"					
M	30	" " " 9	2	19½" "						
M	31	" " " 9	2	10" "						
M	32	" " " 9	1	32" "						
	33	" " "	—							
M	34	" Mud Ring 9	1	143 B 5002		—	—	14-111	—	—
	35	" Tube Sheet Ring	—							
	36	" " " Studs	—							
M	37	" Smoke Box Ring 9	1	138 J 5001		14 A 5000	—	—	—	—
	38	" " " "	—							
M	39	" Tube (small) 9	151	2" O.D. # 12 B.W.G. - 9'-1" LONG		—	—	—	—	—
	40	" Flue (large)	—							
M	41	" TUBE FERRULES ~~Combustion Tubes~~ 9	151	2" O.D. 1/16" THICK - 5/8" WIDE		—	—	—	—	—
M	42	" Tube Setting 9	1 SET	11632 STYLE 4		—	—	—	—	—
	43	" Flue "	—							
M	44	" Test Plate 9	1	420-D-449		—	—	—	—	—
	45									
	46	**GROUP 15—BOLTS AND NUTS**	—							
	47									
	48	**GROUP 18—BRACKETS**								
	49	Air Gauge Bracket	—							
M	50	Steam Gauge Bracket 5	1	A-11410 LINE 2			18-17	—		
M	51	Bottom Bracket 2	1	184 A 5013			—	18-3		
M	52	" " Caps 2	4	182 A 5029			—	18-32		
M	53	" " Bearing—Top 2	4	182 C 5036			18-29			
M	54	" " " —Bottom 2	4	182 B 5041			18-30			
M	55	" " " Wedge 2	4	182 A 5015			18-31			
M	56	" " Wedge Screw 2	4	182 A 5022		182 A 5022				
M	57	" " " " Nut 2	4	"	BAR STOCK	—				
M	58	" " " " Cap 2	4	182 B 5075		182 B 5075				
M	59	Steam Bracket 2	1	A-15691 LINE 4		—	18-18-V			
	60	" " —Back	—							
M	61	" " Brace 2	1	182 A 5079		182 A 5079	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE EQUIPMENT								
M	1	BRAKE CYLINDER 3	1	203E5014 ~~13543 LINE 5~~			20-13	—	—	—
	2	" "	—							
M	3	" " Head 3	2	202A5097		—	20-11	—	—	—
	4	" " "	—							
M	5	" " Stuff. Box Gland 3	2	202A5091		—	20-12	—	—	—
	6	" " " " "	—							
M	7	" Piston 3	2	202A5053		—	20-14	—	—	—
	8	" "	—							
M	9	" " Rings, Mat'l For 3	4	65365002	Pot Pattern	—	65-15	—	—	—
M	10	" " " " " 3	2	652C5156. ~~3176 LINE 3~~	" "	—	65-106	—	—	—
	11	" " " " "	—		" "					
	12	" " " " "	—		" "					
M	13	" " Rod—Front 3	1	13502 SET 3	4 1/8"	135-F-59	—	—	—	—
M	14	" " " —Rear 3	1	"	4 5/4"	135-F-57	—	—	—	—
	15	" " "	—							
	16	" " " Jaw	—							
M	17	" Hollow Piston Rod 3	2	20" x 1 9/16" DIA.	TURN FROM 1 1/4" PIPE	—	—	—	—	—
	18	" " " "								
	19	" Strut								
	20	" "								
	21	" Reservoir Blocks								
	22	" " Support								
	23	" " "								
	24	" " "								
	25	" " " Strap								
	26	" Pump Bracket								
	27	" " "								
	28	" Cyl. Lever Fulcrum								
	29	" Equipment								
M	30	" Valve 5	1	203A5010	#5	—	—			20-44
M	31	" " Base 5	1	202A5138			20-38			
M	32	" " Cap 5	1	202A5137			20-39			
M	33	" " Slide Valve 5	1	202A5133			20-40			
M	34	" " Stem 5	1	202A5136	BAR STOCK					
M	35	" " Handle 5	1	202A5139						
M	36	" " " Latch 5	1	202A5134	BAR STOCK					
M	37	" " Stuffing Box 5	1	202A5132						
M	38	" " " " Nut 5	1	"	STICK BRASS					
M	39	" " " " Follower 5	1	"						
M	40	" " Bracket 5	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
	41	" " " Brace	—							
	42	" Distributing Valve Bracket	—							
M	43	" Relief Valve 5	3	202A5140	—				20-71	
M	44	" " " —Top 5	3	"	STICK BRASS				—	
M	45	" " " —Base 5	3	"	—				20-73	
	46	" —Frame Body	—							
M	47	" Lever—Frame 3	2	487A5029		20M5055	—	—	—	—
M	48	" " " 3	2	"		20J5065	—	—	—	—
	49	" " "								
	50	" " "								
	51	" " "								
	52	" " "								
M	53	" " Fulcrum—Frame 3	4	13442 SET 2		FIN. SIZES 3/4" x 4" x 5"	—	—	—	—
M	54	" " " PIN" 3	4	"	FURNISH NUT	2 7/8" x 1 1/8" DIA.	—	—	—	—
	55	" " " "	—							
M	56	" " Guides " 3	2	487A5029		134-F-34				
M	57	" " " " 3	1	"		20H5092				
M	58	" " " " 3	1	"		20F5092				
	59	" " " "								
	60	" " " "								
	61	" " " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE (Cont.)								
	1	Brake Cylinder Bracket—Frame	—							
	2	" " " "	—							
M	3	" Rods "	1	487 A 5029		20 J 5094	Z	Z	Z	Z
M	4	" " "	1	"		20 X 5004				
M	5	" " "	1	"		20 T 5004				
M	6	" " "	1	"		20 H 5094				
	7	" " "	Z							
	8	" " "								
	9	" [illegible]								
M	10	" Beam— Truck	4	~~A 4810 LINE 3~~	202 C 5217	—	Z	—	Z	Z
M	11	" " Fulcrum "	4	202 A 5163		—		20-87		
M	12	" " Safety Chain "	8	—		20 ~~D~~ N 5059	—	—	—	—
	13	" " Loop "	—							
M	14	" Hanger "	16	—		20 E 5027	Z	—	Z	Z
M	15	" " Lug "	8	202 A 5105		Z		20-6		
M	16	" Heads "	8	203 A 5009				20-22		
M	17	" Shoes "	8	202 A 5104	(S) PAT. 20-8 PURCHASED			—		
M	18	" Lever "	2	9809 SET 6		98-F-71	Z		Z	Z
M	19	" " "	2	"		98-F-107				
M	20	" " "	2	"		98-F-108				
M	21	" ROD PINS "	4	202 C 5016		202 C 5016				
M	22	" " "	14	202 M 5016		202 M 5016				
	23	" " "	—							
M	24	" Rod "	2	9808 SET 9		98-F-81	Z	Z	Z	Z
M	25	" " "	2	"		98-F-165				
M	26	" " "	2	"		98-F-170				
M	27	" " "	2	"		98-F-175				
M	28	Truck Bolster Lever Fulcrum	2	3717 LINE 1		—		20-196		
	29	" " Stop Lug	—							
	30	**GROUP 21—BUMPERS**								
M	31	End Timber Arrangement—Front	3 1	213 K 5008	WOOD	Z	Z	Z	Z	Z
M	32	" " " —Rear	3 1	213 L 5008						
M	33	" " Channels—Front	3 1	213 K 5008	12"-40# CHANNEL					
M	34	" " " —Rear	3 1	213 L 5008	102" LONG					
M	35	" " Drawhead Blocks	3 2	4"x11"x20"	WOOD					
M	36	Push Pole Pocket	3 4	212 A 5002				21-7		
	37									
	38									
	39	**GROUP 22—CAB**								
M	40	Cab	1	223 A 5021	WOOD (KNOCK DOWN & BOX FOR EXPORT)	—	—	—	—	
	41	" Material Bill	—							
	42									
	43									
	44	**GROUP 23—CAB DETAILS**								
M	45	Cab Arm Rest	2	11165 LINE 5	202 E 5035	—	Z	Z	Z	Z
M	46	" Joint Plate	4	TO SUIT MILL	PLATE	—				
M	47	" Strap	6	—						
M	48	" Saddle Angle	1	A-11157 SET 7		111-F-46				
M	49	" " Plate	1	"	PLATE	111-F-27				
	50	" Sash Fixture	—			—				
M	51	" Storm Window	1	232 D 5012		—	—	—	—	—
	52	" " "	—							
M	53	" " " Adjusting Bar	1	232 A 5010		232 A 5010	—	—	—	—
	54	" " " " Plate								
	55	" Awning								
	56	" Curtain								
	57	" " Rod								
	58	" Door Fixture								
M	59	" " " Clamp	2	232 A 5019		—	Z	Z	Z	23-3
M	60	" " " " Screw	2	232 A 5018		—				23-2
M	61	" " " " Slide Bar	2	232 A 5073		1/4" x 3/4" x 28"				—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Door Fixture Rod	1	232A5020		232A5020	—	—	—	—
	2	" Ventilator	—							
	3	" " Fixture	—							
	4	" " Handle	1	11145		111-F-30				
	5	" " " Hinge	1	"		111-F-31				
	6	" " " Latch	1	"		111-F-32				
	7	" " Rod	—							
	8	" Seat—Right	1	232A134	Wood	—				
	9	" " —Left	1	"		—				
	10	" " ~~Back Support~~ POST HINGE	2	"		23A147				
	11	" " Cushion	—							
	12	" " Post	2	232A134		23A148	—	—	—	—
	13	" " Hinge	4	6" STRAP HINGE	PURCHASED	—	—	—	—	—
	14	" " Rod	—							
	15	" Tool Box	1	A-11154	Wood	—	—	—	—	—
	16	" DOOR LOCKS	2	YALE NIGHT LOCK - RIM LATCH - PURCHASED			—	—	—	—
	17									
	18									
	19									
	20	**GROUP 26—COCK AND VALVES**								
	21	Air Sander Valve	—							
	22									
	23	Angle Valve								
	24	" " Cap								
	25	" " Stem								
	26	" " Gland								
	27	" " Nut								
	28									
	29	Ash Pan Cock	—							
	30									
	31	Bell Ringer Valve	—							
	32									
	33	Blower Valve	1	3/4" CRANE # 1813		—	—	—	—	—
	34	" " Cap								
	35	" " Stem								
	36	" " Gland								
	37	" " Nut								
	38	Blow Off Cock	1	1/2" CRANE		—	—	—	—	—
	39	" " " Cap								
	40	" " " Plug								
	41	" " " Nut								
	42	" " " Washer								
	43	" " Extension								
	44	Blow-off Valve								
	45	Injector Starting Valve	2	1/2" CRANE # ~~1811~~ 1835 & 1 3/4" C.P. UNION		—	—	—	—	—
	46	" " " Cap								
	47	" " " Stem								
	48	" " " Gland								
	49	" " " Nut								
	50	Brake Stop Valve—Steam	1	3/4" CRANE # ~~1811~~ 1835		—	—	—	—	—
	51	" " " —Air	—							
	52	" " " —Inter.	—							
	53									
	54	Cinder Swipe Valve	—							
	55									
	56	Cylinder Cock	6	1/2" UNION BIBB		—	—	—	—	—
	57	" " Nut								
	58	" " Shank								
	59	" " Valve								
	60	" " Cap								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
M	1	Drip Valve Brake Exhaust Drain	1	1/2"	CRANE GLOBE # 1807	—	—	—	—	—
M	2	" " Check Pipe "	2	1/2"						
M	3	" " Exhaust " "	1	1/2"						
M	4	" " Steam Chest "	1	1/2"						
M	5	" " Water Gauge "	1	1/4"						
	6									
	7	Drip Cock—Brake Exhaust Drain	—							
	8	" " — " " " —Air								
	9	" " —Check Pipe Drain								
M	10	" " —Fuel Sprinkler Drain	1	1/4"	AIR COCK	—	—	—	—	—
M	11	" " —Siphon Drain	1	3/8"	" "	—	—	—	—	—
	12	" " —Oil Heater Drain								
	13	Generator Valve	—							
	14	" " Cap								
	15	" " Stem								
	16	" " Gland								
	17	" " Nut								
	18									
	19	Feed Cock	—							
	20	Heater Valve	—							
	21									
	22	Lubricator Valve	—							
	23	" " Extension								
	24	Oil Burner Valves								
	25	" Heater "								
	26	" Tank Blow-Back Valve								
	27	" " Heater Valve								
	28	Oil Cock								
	29	" " Cap								
	30	" " Plug								
	31	" " Spring								
	32	" " Washer								
	33									
	34	Plug Cock—Injector Check	—							
	35	" " Cap								
	36	" " Plug								
	37	" " Nut								
	38	" " Washer								
	39									
	40	Port Cock	—							
	41									
M	42	Siphon Valve	1	1 1/2"	CRANE # ~~1811~~ 1835	—	—	—	—	—
	43									
M	44	Sprinkler Valve	1	1/2"	CRANE GLOBE # 1807	—	—	—	—	—
	45	" " Cap	—							
	46	" " Stem								
	47	" " Gland								
	48	" " Nut								
	49									
	50									
MM	51	Steam Gauge Cock	1	1/4"	CYL. COCK-LEVER HANDLE & 3/8" C.P. UNION	—	—	—	—	—
	52									
M	53	Steam Gauge Cock Extension	1	11464	STYLE 1 STICK BRASS	—	—	—	—	—
	54									
	55	Tire Sprinkler Valve	—							
	56									
	57	Through Valve	—							
	58	" " Cap								
	59	" " Stem								
	60	" " Gland								
	61	" " Nut								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS AND VALVES (GAUGE, WATER AND SPECIAL)								
M	1	Gauge Cock	3	3/4" NATHAN TYPE 272A100/ EXCEPT 3/4" P. THD.		—	—	—	—	—
	2	" " Valve								
	3	" " Cap								
	4	" " Stem								
	5	" " Gland								
	6	" " Nut	—							
	7									
	8									
	9	Gauge Cock Extension	—							
M	10	" " Dripper	1	272A5006		—	27-38	—	—	—
	11									
	12									
M	13	WATER GAUGE	1	#9 REFLEX		—	—	—	—	—
M	14	" " Upper Fitting	1	3/4" NATHAN		—	—	—	—	—
	15	" " " " Cap								
	16	" " " " Valve								
	17	" " " " Stem			THD. 3/4" PIPE SIZE					
	18	" " " " Gland			LENGTH TO SUIT. E.S.					
	19	" " " " Nut								
	20	" " " " Washer								
M	21	" " Lower Fitting	1	3/4" NATHAN		—	—	—	—	—
	22	" " " " Cap								
	23	" " " " Valve								
	24	" " " " Stem								
	25	" " " " Gland								
	26	" " " " Nut								
	27	" " " " Washer								
M	28	" " Cock Elbow	1	272B5003		—	—	—	27-9	—
M	29	" " Lamp Bracket	1	272A5011		272A5011	—	—	—	—
	30	" " Marker "								
	31	" " " " Clamp								
	32	" " "								
	33	Water Gauge Extension								
	34	Water Gauge Cock								
	35									
	36	GROUP 28—COCK RIGGING	—							
	37									
M	38	Blow-off Cock Rigging	1 SET	A-11405			—			
M	39	" " " Handle	1	732A5027			73-6			
M	40	" " " Rod	1	3/8" PIPE TO SUIT ERECT. SHOP			—			
	41	" " " "	—							
M	42	" " " " Jaw	1	A-11405		114-F-4	—	—	—	—
	43	" " " Lever	—							
	44	" " " " Fulcrum	—							
	45									
M	46	Cylinder Cock Rigging	1 SET	7329 LINE 2		—	—			
M	47	" " Eye Bolt	3	282A5005		282A5005	—			
M	48	" " Hand Lever	1	282A5006	POLISHED	—	28-2			
	49	" " " " Fulcrum	—							
M	50	" " Rod	1	7 5/8" x 3/4" DIA.	C.R. STEEL	—	—	—	—	—
M	51	" " " Lever	3	282A5004		—	—	—	—	28-1
	52	" " " Jaws	—							
M	53	" " Valve Lever	3	7329 LINE 2	C.R. STEEL	FIN. SIZES 3/16" x 5/8" x 16 1/4"	—	—	—	—
	54	" " " " Connection	—							
	55	GROUP 30—CROSSHEAD								
M	56	Crosshead	3	302A5020			—	30-5	—	—
M	57	" Shoe	6	302A5021			30-6	—	—	—
M	58	" " Bolts	6	302A5020						
M	59	" Pin	3	302A5049	MACH. STEEL					
M	60	" Key	3	302A5036	CHROME VANADIUM					
	61									

Check	Item	TITLE		No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 31—CYLINDER									
M	1	CYLINDER	1	2 R	314A5004		—	31-2	—	—	—
M	2	"	1	1 L	"			31-3	—		
M	3	" Frame	1	2 R	15936			—	31-56		
M	4	" "	1	1 L	"			—	31-56		
	5	**GROUP 32—CYLINDER DETAILS**									
M	6	Cylinder Head	1	3	322A5033		—	32-37	—	—	—
M	7	" " Casing	1	3	322A5034	PRESSED STEEL	—	—	—	—	—
	8										
	9										
M	10	Steam Chest Cover	1	3	322A5015		—	32-33	—	—	—
M	11	" " Casing	1	3	322A5039	PRESSED STEEL	—	—	—	—	—
	12	Valve Chamber Head									
	13	" " "									
	14	" " Cover									
	15	" " Bushing									
	16										
	17										
	18	**GROUP 34—CYL BY-PASS & RELIEF VAL**									
M	19	Steam Chest Relief Valve	1	3	342A5000 ~~7432 LINE~~	STICK BRASS	—	—	—	—	—
M	20	" " " " Base	1	3	"					34-3	
M	21	" " " " Cap	1	3	"					34-2	
	22										
	23										
	24										
	25										
	26	**GROUP 35—DIE WORK**		—							
	27										
	28										
	29										
	30										
	31										
	32										
	33	**GROUP 36—DOME**									
M	34	Dome	a	1	138J5001		—	—	—	—	—
M	35	" Flange	a	1	362A5000	362E5002 for future	—	—	—	—	—
M	36	" " Radius		—	29½"		—	—	—	—	—
M	37	" Cap	a	1	362D5007		—	—	—	—	—
M	38	" Ring	a	1	362A5009		—	—	—	—	—
M	39	" Casing—~~Base~~	4	1	362B5014	PRESSED STEEL	—	—	—	—	—
M	40	" " —Shell		—							
	41	" " —Top		—							
M	42	" Flow Bowl	4	1	362B5014	SHEET STEEL	—	—	—	—	—
M	43	" " " Bracket	4	3	"		120-F-2	—	—	—	—
	44										
	45										
	46										
	47	**GROUP 37—DRAWGEAR F & B**									
	48	Coupler F.									
	49	" B.									
	50	" Knuckles									
	51	" "									
	52	" Lock									
	53	" " Lifter									
	54	" Link									
	55	" Lever									
	56	Uncoupling Shaft									
	57	" "									
	58	" " Bracket									
	59	" " "									
	60	Buffer									
	61										

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 37—DRAWGEAR (Cont.)								
M	1	Drawhead	2	373A-5019 ~~373A5019~~	12210R 1-15-27	—	37-X	37-1		
M	2	Draw Gear Brace	1	~~372A5040~~ 372A-5076		110-F-365				
M	3	" " "	1	"		110-F-366				
M	4	" " " Foot	2	"		—		37-73		
M	5	" " " Foot	2	"		—		37-74		
	6	" " Back								
	7	" " Shims								
	8	" " Pin								
	9	" " Frame—Front								
	10	" " " "								
	11	" " " —Rear								
	12	" " " "								
	13	" " Tie Plate								
	14	" " Friction Plate								
	15	" " Sliding Bar								
	16	" " " "								
	17	" " Connecting Rod								
	18	" " " " Pin								
	19	" " Yoke								
	20	" " " Block								
	21	" " " Followers								
	22	" " " "								
	23	" " " Binder Plate								
	24	" " Carrier Link								
	25	" " " Pin								
	26	" " " Plate								
	27	" Bar Guide								
	28	" " Pin								
	29	" " Carry Iron								
	30	" " " " Bolt Liner								
M	31	" Pin—Front	1	—		104-F-35	—	—	—	—
M	32	" " —Back	1	—		104-F-35	—	—	—	—
	33	Shackle Bar								
	34	" " Key								
	35	" " Gibs								
	36	" " Brace								
	37	" " " Pad								
	38	" " " Pin								
	39	" " Pin								
	40	Safety Link								
	41	" " Pins								
	42									
	43	GROUP 39—ECCENTRICS								
M	44	ECCENTRIC—No. 1 Cylinder	1	392A 5073			39-45			
M	45	" No. 3 Cylinder	1	"			39-45			
M	46	" No. 2 Cylinder—Top	1	392A 5072			39-42			
M	47	" No. 2 Cylinder—Bot.	1	"			39-43			
M	48	" Key	2	"	CHROME VANADIUM		—			
M	49	" Stud	2	"	MACH. STEEL		—			
M	50	ECCENTRIC STRAP Top	6	392B5005			39-36			
M	51	" " Bottom	6	"			39-37			
M	52	" " Bolts	12	"			—			
	53	" " Liner	—							
	54	" " Filler	—							
	55									
M	56	ECCENTRIC ROD	3	8411 SET 2	POLISHED	84-F-30				
M	57	" "	3	"		84-F-34				
M	58	" " Pin	6	393D5000		—				
	59	" " "	—							
M	60	" " Bolts	12	8509 SET 9		—	—	—	—	—
	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 42—ERECTING CARDS								
O	1	ERECTING PLAN—Elevation	1	429A 5014		—	—	—	—	—
	2	GROUP 43—ERECTING CARDS								
W	3	ERECTING PLAN—Sections	1	433A 5054		—	—	—	—	—
	4									
	5	GROUP 44—EXHAUST PIPE & NOZZLES								
M	6	EXHAUST Drop Pipe 3	1	442C 5052			44-418-A			
M	7	" " Pipe Flange 3	1	442A 5056			44-69			
M	8	" Nozzle 3	1	442A 5062			44-68			
M	9	" " 3	1	442B 5062			44-113			
M	10	" " 3	1	442C 5062			44-114			
	11	" " Tip	—							
M	12	" Extension 3	1	442A 5051		—	44-70	—	—	—
	13	" Gland	—							
W	14	" Reducer 3	1	442A 5017			44-531			
M	15	" " Gland 3	1	442A 5018			44-533			
M	16	" Pipe Elbow 3	1	442A 5016			44-532			
M	17	" " Joint Ring 3	1	792K 5029			79-22			
M	18	" " 3	1	442C 5015	6" W.I. PIPE		—			
M	19	" " Nipple 3	1	"			—			
	20	GROUP 45—FIREDOOR AND FIREBRICK								
	21	FIRE BRICK								
	22	" " Arch Tube								
	23	" " " " Setting								
M	24	FIRE DOOR ARR'G'T	1	452A 5013			—			
M	25	FIRE DOOR	1	452A 5004			45-10			
M	26	" " Frame	1	452A 5001			45-9			
M	27	" " Liner	1	452A 5002			45-11			
M	28	" " Latch	1	452A 5005		127-F-4				
M	29	" " " Handle	1	"		127-F-14				
M	30	" " " Guide	1	452A 5003		452A 5003				
M	31	" " HINGE ~~Shield~~ PIN	1	—		45A7				
	32	" " Damper								
	33	" " " Bearing								
	34	" " " "								
	35	" " " Handle								
	36	" " " Thumb Nuts								
	37	" " Peep Hole Cover								
	38									
	39									
	40									
	41	GROUP 48—FRAME AND DETAILS								
W	42	FRAME 3	1	487A 5029	KNOCK DOWN & BOX FOR EXPORT		—			
M	43	" Boiler Saddle 3	1	482A 5094	22 1/8" TO 23 1/2" RAD.		48-48			
M	44	" " " 3	1	"			48-49			
M	45	" " Pad Clamp 3	4	10748 SET 1- LINE 3		FIN. SIZES 1 1/2" x 5" x 7 1/4"				
M	46	" " " " 3	4	10748 " 2- " 3		FIN. SIZES 7/8" x 5" x 12"				
M	47	" " " " 3	4	10748 " 3- " 3		FIN. SIZES 1 1/2" x 5" x 10"				
M	48	" " " " 3	4	10748 " 4- " 3		FIN. SIZES 7/8" x 6" x 6 1/2"				
M	49	" Bolster Fill Blocks 3	4	3160 LINE 1			48-146			
M	50	" Centre Plate 3	2	482E 5111			—			
M	51	" Side Bearing—Right 3	2	~~967~~ 487A 5029 SET 9		28" x 5 1/2" x 13 7/8"	48-153		48-656	
M	52	" " " —Left 3	2	~~967~~ 487A 5029 8		28" x 5 1/2" x 13 7/8"	~~48-152~~			
W	53	" Spreader 3	1	487A 5029		110-F-245				
W	54	" Truss Pad 3	4	12441			—			
M	55	" " " 3	4	"						
M	56	" " Head 3	2-R	12445 LINE 4		12445 LINE 4	48-8			
			2-L	12445 " 11		12445 " 11	48-9			
M	57	" " Post Head 3	4	12401						
M	58	" " " Socket 3	4	482A 5043			48-27			
M	59	" " Rod Washers 3	8	12441			48-14			
W	60	Main Truss Rod—Right 3	1	487A 5029		1" DIA. LENGTH TO 2" " SUIT E.S.	48-10			
W	61	" " " —Left 3	1	"			—			

Check	Item	TITLE		No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 48—FRAME & DETAILS (Cont.)									
M	1	Truss Rod Ends	3	4	487A5029		56"x1½" DIA.				
M	2	" " "	3	2	"		66"x1½" "				
M	3	" " "	3	2	"		78"x1½" "				
	4	" " "		—							
M	5	" " Columns	3	2	487A5029		19"x2" DIA.				
M	6	" " "	3	2	"		22"x2" "				
M	7	" Post Guides	3	2	11014 SET 1	PLATE	—				
	8	" " "		—							
M	9	Frame Brace TO END TIMBER	3	1	487A5029		110-F-7				
M	10	" " " " "	3	1	"		110-F-8				
M	11	" "	3	1	"		110-F-110				
M	12	" "	3	1	"		110-F-111				
M	13	" "	3	1	"		110-F-113				
M	14	" "	3	1	"		110-F-334				
M	15	Frame Pit Irons	3	1	"		48N5013				
M	16	" " "	3	3	"		48H5025				
	17	" " "		—							
	18	" " "									
	19	" End Casting									
M	20	" " Timber Brace	3	4	11090 SET 12		—		48-57		
M	21	" Angle	3	8	487A5029		5"x8"x6"-9½" LONG				
M	22	" "	3	8	"		½"x6"x6"-7½" "				
M	23	" "	3	8	"		½"x3½"x6"-7½" "				
M	24	" "	3	2	"		½"x3½"x3½"-7½" "				
	25	" "		—							
	26	" "		—							
M	27	" Smoke Box Brace Pad	3	2	13007 SET 1		—	48-15			
	28	EXPANSION PLATE	2	1	482A5164	PLATE	—	—			
	29	" " Angle	2	1 SET	"		482A5164	—			
	30	FURNACE BEARER—Front									
	31	" " —Rear									
	32	" " Plate									
	33	" " Fill Blocks									
M	34	Boiler Pad—Right	2	3	482B5004		—	48-315	—	—	—
M	35	" " —Left	2	3	"		—	48-315	—	—	—
	36										
	37										
	38	**GROUP 49—GAUGES, TEMPLATES & JIGS**		—							
	39										
	40										
	41										
	42	**GROUP 50—GUIDES & ATTACHMENTS**									
M	43	Guide		6	502B5000	3 RIGHT & 3 LEFT	—	50-1	—	—	—
	44										
	45										
	46	**GROUP 51—GRATE ARRANGEMENT**									
M	47	Grate Arrangement		1	A-11818 LINE 5		—	—	—	—	—
	48	**GROUP 52—GRATE DETAILS**									
	49										
	50										
M	51	Grate Bars		7	522A5048		—	52-16	—	—	—
	52	" "									
	53	" "									
	54	" Center Rail									
M	55	" Side "		1	A-11819 SET 6			52-133			
M	56	" " "		1	"			52-134			
M	57	" SHAKER PINS Cover Plate		1	DRILL TO SUIT E.S.		3/4" RIV. 3" LONG				
M	58	" " " "		1	" " " " "		5/8" " 2¼" "				
M	59	" Shaker Pins		3	" " " " "		5/8" " 2½" "				
M	60	" " "		2	" " " " "		5/8" " 3" "				
	61	" " "		—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 52—GRATE DETAILS (Cont.)								
	1	Grate Dead Plate	—							
	2	" " "	—							
M	3	" Drop "	1	522 A 5057		—	52-13	7	7	7
M	4	" Dump Shaft	1	11816 SET 10		118-F-77	—			
M	5	" " " Bearing	2	522 F 5093		—	52-122			
	6	" " " "	—							
M	7	" " " Links	2	TO SUIT ERECT. SHOP		118-F-73	—	—	—	—
M	8	" " " Lever	1	15020		118-F-74	—	—	—	—
	9	" " Lever	—							
M	10	" Shaker Shaft Bracket	1	522 A 5109		—	52-107	—	—	—
M	11	" " " "	1	"		—	52-108	—	—	—
	12	" " Lever	—							
M	13	" " Shaft	1	522 ~~A~~ D 5008		522 ~~A~~ D 5008	—	—	—	—
	14	" " "	—							
M	15	" " " Lever	1	522 D 5009		52 A 5012	—	—	—	—
	16	" " " "	—							
M	17	" " " Hand Lever	1	A-11818		118-F-110	—	—	—	—
	18	" " " " "	—							
M	19	" " Lever Connection	1	A-11818 LINE 5 ~~522 C 5020~~		118-F-135	—	—	—	—
	20	" " " "	—							
M	21	" " Connection Bar	1	A-11870 SET 5		A-11870 SET 5	—	—	—	—
	22	" " " "	—							
	23	**GROUP 53—H'NDRAIL & STEPS (En.&Tr)**								
9	24	HAND RAIL	—	1 SET	TO SUIT ERECT. SHOP	POLISHED				
M	25	" " Bracket 3	2	10010			53-10	7	7	7
M	26	" " Balls 3	5	532 E 5034	POLISHED		53-4			
M	27	" " Columns 3	5	532 A 5034			53-1			
M	28	" " " 3	2	532 B 5034			53-2			
M	29	" " " 3	2	A-11406			53-8			
M	30	" " " 3	2	A-11404			53-7			
M	31	" " " Blocks 3	2	532 C 5034			53-3			
	32	" " " "	—							
M	33	" " Flanges 3	1	532 F 5034	for future use 532 J ~~5002~~		53-5	7	7	7
M	34	Cab Handle—Right 3	2	~~B-11141 LINE 5~~	POLISHED	TO SUIT ERECT. SHOP	—			
M	35	" " —Left 3	2	B-11145 " 1	"	" " " "	—			
	36	Coal Bunk Handle—Right	—							
	37	" " " —Left	—							
	38	Tank Handle	—							
W	39	End Timber Handle x3	2	213 K 5008		103-F-53	—	—	—	—
	40	" " "	—							
W	41	" " " Bracket x3	2	213 K 5008		103-F-121	—	—	—	—
	42	" " " "	—							
	43									
	44									
	45	Bottom Bracket Step	—							
M	46	Cab Step ~~HANGER~~-RIGHT	2	532 A 5011	WOOD TREAD	53 B 5010	7	7	7	7
M	47	" " BRACKET- "	2	"		111-F-7				
M	48	" " ~~HANGER~~-LEFT	2	532 A 5010	WOOD TREAD	53 A 5010				
M	49	" " BRACKET- "	4	"		111-F-7				
M	50	" " Brace - RIGHT	2	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
M	51	" " " - LEFT	2	" " " "		" " " "				
	52	Cylinder Step	—							
	53	" Hood Step								
	54	Generator Step	—							
W	55	End Timber Step—Front	1 SET	213 K 5008		(4) 103-F-18	—	—	—	—
W	56	" " " —Back	1 "	213 L 5008		(4) 103-F-18	—	—	—	—
	57	Headlight Step	—							
	58	Pilot Step	—							
P	59	SAND BOX STEP BRACKET	1	533 E 5003		533 E 5003	—	—	—	—
M	60	Sand Box Step	2	D-4141			53-14	—	—	—
M	61	" " " Bracket	1	533 B 5003		533 B 5003	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 54—HEADLIGHTS, LAMPS, PLATES, ETC.								
	1	Flag Socket	—							
	2	" "	—							
m	3	Headlight {Oil / ~~Electric~~}	1	16" RD. CASE	PURCHASED	—	—	—	—	—
m	4	Headlight Bracket	2	5353 SET II	PLATE	—	—	—	—	—
	5	" Columns	—							
m	6	" Shelf—Front	1	10020	PLATE	—	—	—	—	—
	7	" " —Rear								
	8	Generator Bracket								
	9	" Shelf								
m	10	Lamp	1	DAYTON # 11-H	PURCHASED	—				
m	11	"	1	" # 4-H		—				
m	12	" Bracket	1	542B5011		542B5011				
	13	" "	—							
m	14	Number Plate	1	542A5009					54-6	
m	15	" " Stud	1	A-12969	BAR STOCK				—	
m	16	Builder's Card	2	542A82					54-169	
m	17	Name Plate	2	B-11138			~~54-4~~		~~54-4~~	
m	18	Patent Plate	1	542A5006			—		54-183	
	19	Property Plate								
	20	Superheater Patent Plate								
	21	Electrical Equipment								
	22									
	23									
	24	GROUP 55—INJECTORS & FEED, WATER								
m	25	Injectors	2	# NATHAN LIFTING-LEVER HANDLE MONITOR-TYPE # 88			—	—	—	—
m	26	" Bracket	2	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP	—	—	—	—
	27									
	28									
	29									
m	30	Injector Check Valve	2	1½" SWING-200#	PURCHASED	—	—	—	—	—
	31	" " Flange	—							
m	32	" Stop Valve	2	552D5010	PURCHASED	—	—	—	—	—
	33	Feed Pipe Strainer	—							
m	34	" " Bracket	2	552A5036		—	55-3	—	—	—
m	35	" " " Cap	2	"		—	55-4	—	—	—
	36	" Pipe Hanger								
	37	" Hose Connection								
	38	" " " Nuts								
	39	" " " "								
	40	" " " Nipples								
	41									
	42									
	43									
	44	GROUP 57—LAGGING & JACKET								
m	45	Lagging (Boiler)	~~1 SET~~ 70 PIECES	~~57M5000A~~	1¼"×6"×36"	—	—	—	—	—
	46	" ~~Panel~~"	30	"	2"×6"×30"					
	47	" "	50	"	1¾"×6"×30"					
	48	" "	40	"	1"×6"×30"					
	49	" Angle Iron								
	50	" " "								
m	51	Jacket (Boiler)	1 SET	# 22 B.W.G. POLISHED STEEL		—	—	—	—	—
	52	" Band	—							
m	53	" " Angle	4	57D5000		57D5000				
m	54	" Clamp	36	570D46		—				
m	55	" " EYE BOLTS	6	572A5004		572A5004				
m	56	Plug Casing	5	572A6		—				57-4
	57	" "	—							
m	58	" ~~Cover~~ PRESSURE PLATE FRAME	1	420D476		—	—	—	57-60	—
	59	Cylinder Lagging	—							
	60	" Jacket	—							
m	61	" Hood	1	572F5006 TO SUIT ERECT. SHOP	PLATE	—	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
M	1	Link	3	583 B 5002		—	—	58-1	—	—
	2	" —Top Half	—							
	3	" —Bottom Half	—							
M	4	" Saddle	6	583 B 5002		81-F-17	—	—	—	—
M	5	" " Bolts	6	8511 Set 11		—	—	—	—	—
	6	" " "	—							
M	7	" Block	3	582 A 5014		Fin. Sizes 1½" x 2¼" x 3"				
M	8	" " Pin	3	8512 Set 9		—				
M	9	" " Plates	6	582 A 5014	C.R. Steel	—				
	10	" " Ends	—							
M	11	" Hanger	3	582 A 5029		582 A 5029	—	—	—	—
M	12	" " Pin	3	8513 Set 3		—	—	—	—	—
	13									
	14	GROUP 59—OIL CUPS & LUBRICATION								
M	15	Lubricator 5	1	Nathan 4 Feed-4 Pint-1918 Type		Complete With	Steam Valve	—	—	—
M	16	" Bracket	1	To Suit Erect. Shop		To Suit Erect. Shop	—	—	—	—
	17									
M	18	Bottom Bracket Oil Cup 2	4	592 A 5006		—	59-48	—	—	—
M	19	" " " " Cap 2	4	"		—	59-49	—	—	—
	20	" " " " Nut								
	21	" " " " Plug								
	22	" " " " Cover								
	23	" " " " "								
	24	" " " " Hinge Lugs								
	25	" " " " " "								
M	26	" " Grease Cup 2	4	592 A 5007		—	59-50	—	—	—
	27	" " " " Cap	—							
M	28	" " " " Nut 2	4	592 A 5007		—	59-51	—	—	—
M	29	" " " " Plug 2	4	"			59-52			
M	30	Crosshead ~~Oil~~ Grease Cup 1	3	# 1 Powell-Plain Steel-Shank ¼" P. Thd.		—	—	—	—	—
	31	" " " Cap								
	32	" " " Nut								
	33	Ecc. Strap Oil Cup								
	34	" " " " Cap								
	35	" " " " Nut								
	36	Gear Oil Cups								
	37	" " " Covers								
M	38	Guide ~~Oil~~ Grease Cup 2	6	# 3 Powell Plain Steel-Shank ½" P. Thd.		—	—	—	—	—
	39	" " " Cap								
	40	" " " Nut								
	41	Link Oil Cup								
	42	" " " Cap								
	43	" " " Nut								
M	44	Packing Oil Cup 2	3	592 A 5005		—	—	—	59-44	—
M	45	" " " Cap 2	3	"		—	—	—	59-45	—
	46	" " " Nut								
	47	Rod Oil Cup								
	48	" " " Cap								
M	49	" " " Plug 2	3	592 A 5025	Bar Stl.	—	~~59-355~~	—	—	—
	50	" " " Latch								
	51	" " " Spring								
	52	" " " Base								
	53	Tumb. Shaft Oil Cup								
	54	" " " " Cap								
	55	" " " " Nut								
M	56	Truck Box Oil Cup Cover—R. Box 10	4	7125 Set 1	Plate	—	59-32	—	—	—
	57	" " " " " —L. Box	—							
M	58	" " " " " Hinge Plate 10	4	7125 Set 2		—	59-33	—	—	—
	59	Valve Stem Oil Cup	—							
M	60	Oil Can Shelf 2	1	592 A 5004		—	59-120	—	—	—
	61	" " " Bracket	—							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 60—OIL BURNER, ENGINE ONLY								
	1	Oil Burner								
	2	" " Arrangement								
	3	" " Support								
	4	" " Turret								
	5	" Cock Rod								
	6	" " " Jaw								
	7	" " " "								
	8	" " Shaft								
	9	" " " Arm								
	10	" " " Hanger								
	11	" " " Collar								
	12	" Pipe Support								
	13	" " "								
	14	" " Clamp								
	15	" " "								
	16	" Heater Support								
	17	" " Clamp								
	18	" Regulator Bracket								
	19	" " Shaft								
	20	" " " Arm								
	21	" " " Hanger								
	22	" " " Collar								
	23	" " " "								
	24	" " Quadrant								
	25	" " Lever								
	26	" " Latch								
	27	" " " Handle								
	28	" " " Spring								
	29	" " " Link								
	30	" " " Guide								
	31	" " " Pin								
	32	" " Lever Dowel								
	33	" " " Stop								
	34	" " " Thumb Nuts								
	35	" " " Adjusting Screw								
	36	" Damper Regulator Quadrant								
	37	" " " Handle								
	38	" " " Shaft								
	39	" " " " Bushing								
	40	" " " " Arm								
	41	" Heater								
	42	" " Stuffing Box								
	43	" " " " Follower								
	44	" " " " Nut								
	45									
	46									
	47									
	48									
	49									
	50	GROUP 61—PAINT'G, LETTER'G, NUM'G								
	51	Lettering								
	52	Numbering								
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT AND SNOW PLOWS								
	1	PILOT								
	2	Pilot Band								
	3	" Bottom Plate								
	4	" Corner Iron								
	5	" Brace								
	6	" "								
	7	" "								
	8	" "								
	9	" " Rod								
	10	" Knee								
	11	" "								
	12									
	13									
	14	Snow Plow	—							
	15									
	16									
	17	GROUP 63—PIPE FITTINGS								
	18	Air Gauge Fitting								
	19	" Pump Oil Fitting								
	20	" " " " Nut								
	21	" " " " Swivel								
	22	" " Exhaust Wye								
	23	" " Tee								
	24									
	25									
M	26	Blower Fitting	1	632A5004		—	—	—	63-6	—
	27	" " Nut	—							
M	28	Brake Release Check	1	13523	STICK BRASS	—	—	—	—	—
M	29	" " " Valve	1	"		—	—	—	63-64	—
	30	Brake Ex. Fitting								
	31	" " " Nut								
	32	Coal Sprinkler Fitting								
	33	" " " Nut								
	34	" " " Swivel								
M	35	Cylinder Oil Pipe Fitting	3 SET	632A5005	STICK BRASS	—	—	—	—	—
	36	" " " " Nut								
	37	" " " " "								
	38	" " " " Swivel								
	39	" " " Bracket								
	40	Angle Valve Nut								
	41	" " Swivel								
	42	Through Valve Nut								
	43	" " Swivel								
	44	Oil Cock Nut								
	45	" " Swivel								
	46	Lubricator Check								
M	47	Steam Brake Oil Fitting	1	7138	STICK BRASS	—	—	—	—	—
M	48	" " " " Nut	1	"	" "	—	—	—	—	—
	49									
	50	Check Pipe Union								
	51	" " " Nut								
	52	" " " Swivel								
	53	Oil Pipe Union								
	54	" " " Nut								
	55	" " " Swivel								
	56	Steam Pipe Union								
	57	" " " Nut								
	58	" " " Swivel								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Pipe Clamp	7							
	2	" "								
	3	" "								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14	**GROUP 64—PIPING ARRANGEMENTS**								
	15	Piping Arr'g. General								
	16	" " Air Brake								
	17	" " Cooling Pipes								
	18	" " Bet. Eng. and Tender								
	19	" " Oil Heater								
	20	" " Sprinkler								
	21	" " Steam Heat								
	22									
	23									
	24									
	25									
	26	**GROUP 65—PISTON AND ROD**								
M	27	PISTON HEAD	3	652A5135		—	65-99	Z	Z	Z
M	28	" Packing Rings, Material For	6	653F5000	Pot Pattern	— FIN. SIZES	65-6			
M	29	" Rod	3	652A5123		27" x 2 3/16 DIA.	—			
	30									
	31									
	32									
M	33	PISTON ROD PACKING	9 SET	METALLIC	Pot Pattern	soft white	—	Z	Z	Z
M	34	Packing Rings	9 "	7719 SET 652 R5153 2/38	PURCHASED (~~PANTON & MITCHELL~~)		—			
M	35	" Spring Washer	3	7759 " 4		—	65-45			
M	36	" Swab Cap	3	652A5091		—	—		65-26	
	37	" Follower	—							
M	38	" Stuffing Box	3	652A5055		Z	65-41	Z	Z	Z
M	39	" " " Gland	3	652A5059			65-42			
M	40	" Vibrating Cups	3	652A5082			65-46			
M	41	" Spring	3	#13			—			
	42									
	43									
M	44	PACKING STUDS Piston Rod	12	7758 SET 4		—	—	—	—	—
	45	**GROUP 66—PLUGS**								
	46	Arch Tube Plug	—							
M	47	Back Head Plug (Prime) 4	3	1 7/8"-11 1/2" THD. TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
	48	Crown Plug	—							
	49	Ecc. Strap Plug	—							
M	50	Firebox Plug (Prime) 4	4	1 7/8"-11 1/2" THD. TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
	51	" "								
	52	Fusible Plug								
	53	Indicator Plug								
	54	Smoke Box Plug								
	55	Tube Sheet Plug								
	56	Test Plug								
M	57	Waist Plug (Prime) 4	5	1 7/8"-11 1/2" THD. TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
	58	Washout Plug Valve								
	59	" " " Cap								
	60	" " Flange								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 68—REVERSE LEVER								
M	1	Reverse Lever	1	8375 LINE 5		83-F-97				
M	2	" " Arrangement	—	"		—			—	
M	3	" " Handle	1	D-1315 LINE 3		—			68-3	
M	4	" " Latch	1	3294 STYLE 1		83-F-49 FIN. SIZES 1¼" × 2" × 3½"				
M	5	" " " Guide	1	"						
M	6	" " " Rod	1	8375		83-F-109				
	7	" " " Details	—							
M	8	" " Quadrant	1	682A 5017		83-F-42				
M	9	" " "	1	"		83-F-50				
M	10	" " " Plate	1	8310 SET 4-LINE 1	PLATE	—				
	11	" " Foot Rest	—							
M	12	" " Shaft	1	8375 LINE 5		83-F-183	—	—	—	—
M	13	" " " Length		10½" CTR TO CTR.		—	—	—	—	—
	14	" " Arm								
	15	" " Fulcrum								
	16	" " " Bracket								
	17	" " " Pin								
M	18	" " Shaft Stand	1	5471 SET 2		83-F-65				
M	19	" " Quadrant Bracket	1	487A 5029		109-F-18				
M	20	" " " "	1	"		68 D 5004				
	21	" " " "	—							
	22									
	23									
	24									
	25									
	26	**GROUP 69—REVERSE SHAFT**								
	27	TUMBLING SHAFT	1	692 E 5047	B = 5°-22'	692 E 5047	FIN. & POLISH ALL OVER		—	—
	28	" " " Arm	—							
	29	" " " Collar	—							
M	30	" " " Box	3	8215 SET 2			69-5			
M	31	" " " " Cap	3	"			69-6			
M	32	" " " Coupling Ball	2	8316 SET 2			69-2			
M	33	" " " " Socket	2	"			69-3			
M	34	" " " " Cap	2	"			69-3			
M	35	" " " " Sleeve	1	"		FIN. SIZES 1½" HEX 3½" LONG				
M	36	" " " " Conn.	1	"		FIN. SIZES 1½" HEX 8 5/16" "				
M	37	" " " " "	1	"		FIN. SIZES 1½" HEX 6 3/16" "				
M	38	" " " " Nut	1	"		FIN. SIZES 1½" HEX ¾" "				
	39									
	40	**GROUP 71—RUNNING BOARDS**								
M	41	RUNNING BOARD	1 SET	A-10947 LINE 6	WOOD POLISH EDGE	—	—	—	—	—
	42	" "	—							
	43	" " Bracket								
	44	" " "								
	45	" " "								
	46	" " "								
	47	" " "								
M	48	" " " Engine	7	487A 5029		71 C 5010				
M	49	" " " "	1	"		71 F 5002				
M	50	" " " "	2	"		109-F-250				
M	51	" " " "	5	"		71 E 5008				
	52	" " " "								
	53	" " " "								
	54	" " " "								
	55	" " " Tender								
	56	" " " "								
	57	" " " "								
	58	" " " "								
	59	" " " "								
	60	" " " "								
	61	" " " "								

Check	Item	TITLE		No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS									
M	1	Connecting Rods	1	3	723A5003		89-F-32			—	
M	2	" " Brass, Xhd End	1	3	722A5035					72-12	
M	3	" " " " "	1	3	"					72-12	
M	4	" " " Crank "	1	3	722A5021					72-~~76~~ 75	
M	5	" " " " "	1	3	"					72-~~76~~ 75	
	6										
M	7	Connecting Rod Strap	1	3	722A5086		722A5086 FIN. SIZES 1¾"×2½"×2¾"				
M	8	" " Wedge—Top	1	3	723A5003		FIN. SIZES 2"×2½"×3¾"				
M	9	" " " —Bottom	1	3	"						
M	10	" " Key—Top	1	3	"		89-F-35				
	11	" " " —Bottom		—							
	12	" " Wedge Liner		—							
	13										
	14										
	15										
	16	GROUP 73—SAND BOX									
M	17	Sand Box—Front	4	1	733A5000			—			
M	18	" " Base	4	1	12247 LINE 4			73-69	—	—	—
M	19	" " Top	4	1	733A5000	PRESSED STEEL		—			
M	20	" " Lid	4	1	732B5000			73-31			
M	21	" " Valve	4	2	732A5022			73-4			
M	22	" " Lever—Short	4	1	732A5004			73-20			
M	23	" " " —Long	4	1	733A5000		73A5014	—			
M	24	" " Rod Handle	4	1	732A5027		—	73-6	—	—	—
M	25	" " Rigging	4	2	733A5000		¼"×1¼"×19¾"	—			
M	26	" " Rod	4	1	⅜" PIPE TO SUIT E.S.		—	—			
	27	Air Sander									
	28	" " Nozzle									
	29	Sand Box—Flue									
	30	" " Funnel									
	31	" " Scoop									
M	32	SAND BOX—Back	3	1	732A5032	PLATE		—			
M	33	Back Sand Box Arrangement	3	1	12252 LINE 5			—			
M	34	" " " Base	3	2	732B5023			73-13			
M	35	" " " Top	3	2	732A5024			73-3/4			
M	36	" " " Covers	3	2	"			73-12			
M	37	" " " Valve	3	2	3257			73-10			
M	38	" " " Shaft Hanger	3	3	732A5026			73-7			
M	39	" " " " " Caps	3	3	"			73-8			
M	40	" " " Hand Lever	3	1	12222		122-F-35				
M	41	" " " " " Fulcrum	3	1	"		122-F-50				
M	42	" " " " " Rod	3	1	"		122-F-55	—			
	43	" " " Horiz. Lever									
	44	" " " " " Fulcrum									
	45	" " " " " Guide									
	46	" " " Rod Jaws									
	47	" " " " "									
M	48	" " " Shaft	3	1	12267 LINE 7		122-F-126	—	—	—	—
M	49	" " " " Lever	3	2	12264 " 1		122-F-25	—	—	—	—
	50	" " " " "		—							
M	51	" " " Valve Lever	3	2	732A5031		732A5031	—	—	—	—
M	52	" " " " Rod	3	1	12252		122-F-24	—	—	—	—
	53	" " " " "		—							
M	54	" " " " " Conn.	3	1	12265 LINE 3		122-F-82	—	—	—	—
	55	" " " Rod Bell Crank		—							
	56	" " " " " " Fulcrum		—							
M	57	" " " Brace	3	2	TO SUIT ERECT. SHOP		122-F-87	—	—	—	—
	58										
	59										
	60										
	61										

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS								
M	1	COUPLING RING —Front	2	743A5010				74-16	—	
M	2	" " Half "	4	743B5010				74-17	—	
M	3	" " Bushing "	8	742A5035				—	74-19	
M	4	" " Oil Cellar "	8	742A5034			74-18	—	—	
	5	" " —No. 2								
	6	" " Half "								
	7	" " Bushing "								
	8	" " Oil Cellar "								
	9	" " —No. 3								
	10	" " Half "								
	11	" " Bushing "								
	12	" " Oil Cellar "								
M	13	" " —Rear	2	743A5010				74-16	—	
M	14	" " Half "	4	743B5010				74-17	—	
M	15	" " Bushing "	8	742A5035				—	74-19	
M	16	" " Oil Cellar "	8	742A5034			74-18	—	—	
	17									
M	18	CRANK SHAFT	1	745A5006	#63	157-F-19	—	—	—	—
	19	Counterbalance								
	20	" Weight								
	21	" "								
	22	" "								
	23	" Yoke								
	24	" "								
M	25	Horn Coupling	2	742A5267		—	—	74-27	—	—
	26	" "	—							
M	27	" " Key	2	9060 LINE 2		90-F-2	—	—	—	—
	28									
	29									
M	30	LINE SHAFT—Front Truck	1	9120 LINE 1		FIN. SIZES 82 5/8" x 4 1/4" DIA.	—	—	—	—
	31	" " —2nd "	—							
	32	" " —3rd "	—							
M	33	" " —Rear "	1	9120 LINE 1		FIN. SIZES 86 5/16" x 4 1/4" DIA.	—	—	—	—
M	34	" " Bearings, Outside—Front	2	742A5095		—	—	—	74-186	—
M	35	" " " Inside "	2	"		—	—	—	74-187	—
	36	" " " Outside—2nd								
	37	" " " Inside "								
	38	" " " Outside—3rd								
	39	" " " Inside "								
M	40	" " " Outside—R'r	2	742A5095		—	—	—	74-186	—
M	41	" " " Inside "	2	"		—	—	—	74-187	—
	42	" " " Plate—Front								
	43	" " " " —2nd								
	44	" " " " —3rd								
	45	" " " " —Rear								
M	46	" " Collar	4	742A5203				74-351		
M	47	" " "	3	742E5012				74-350		
M	48	" " "	1	742A5011				74-349		
	49	" " "								
	50	" " "								
	51	" " "								
	52	" " "								
	53	" " "								
	54	" " "								
M	55	" " Coupling	2	742A5273 ~~9825 LINE 6~~		—	—	74-489	—	—
	56	" " "								
	57	" " "								
	58	" " "								
	59	" " "								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS (Cont.)								
	1	LINE SHAFT Coupling Key								
	2	" " " "								
	3	" " " "								
M	4	" " Collar "	1	9120 LINE 1		FIN. SIZES 3/4" x 2" x 6"	—	—	—	—
M	5	" " Pinion	4	742 C 6102		—	—	74-63-B	—	—
	6	" " "								
	7	" " "								
	8	" " "								
M	9	" " Washer	4 PAIR	742 F 5149		—	74-153	—	—	—
	10	" " "								
	11	" " "								
	12	" " "								
M	13	GEAR RIM	4	743 A 5037				74-62		
M	14	" " Bolt	32	742 C 5254						
M	15	" " Key	16	8824 SET 1						
M	16	SQUARE SHAFT—Front	1	742 F 5250	4 x 34 3/4	742 F 5250				
M	17	" " —Back	1	742 L 5250	4" x 46"	742 L 5250				
	18	" " —Center	—							
	19	" "	—							
M	20	" " Sleeve	2	742 B 5110		—	—	74-202	—	—
	21	" " "								
	22	" " "								
	23	" " "								
	24									
	25									
	26	GROUP 75—SMOKE BOX AND STACK								
M	27	SMOKE BOX ARRANGEMENT	1	A-12997 LINE 1		—				
M	28	" " Deflecting Plate	1 SET	"	PLATE	—				
M	29	Deflecting Plate Angle & NETTING	1 "	"		A-12997 LINE 1				
M	30	Draft Pipe	1 "	"	PLATE	—				
M	31	" " Hanger	2	"		129-F-9				
M	32	" " "	2	"		129-F-10				
	33	" " "	—							
M	34	" " " Key Bolt	20	A-12997 LINE 1		75 A 5030				
M	35	Netting Frame	2	"		129-F-4				
M	36	" Ring	1	"		129-F-8				
	37	Cinder Pocket	—							
M	38	" Pot Base	1	753 B 5027			75-4			
M	39	" " Lid	1	752 A 5042			75-8			
M	40	" " Hand Wheel	1	752 A 5043			75-9			
M	41	" " Yoke	1	752 A 5041		129-F-55	—			
	42	Cleaning Hole	—							
M	43	" " Flange	1	752 A 5056		—	75-17	—	—	—
M	44	" " Cover	1	752 A 5057			75-18	—	—	—
	45	Peep " Flange	—							
	46	" " Cover	—							
M	47	SMOKE BOX Brace—Right	1	To Suit Erect. Shop		130-F-21	—	—	—	—
M	48	" " " —Left	1	" " "		130-F-21	—	—	—	—
M	49	" " " Pad	2	752 #5047				75-10		
M	50	" " " Pin	2	13002 STYLE 2						
M	51	" " " Washer	2	13003 " 2						
M	52	SMOKE BOX FRONT	1	A-12970 LINE 3	PLATE					
M	53	" " " Door	1	"						
	54	" " " Liner	—							
	55	" " Door Liner	—							
M	56	" " " Buttons	16	A-12952		—	75-455			
M	57	" " " Hinge	1	"		75 A 5000				
M	58	" " " "	1	"		75 A 5003				
M	59	" " " " Lug	1	"		—				75-25
M	60	" " " " "	1	"		—				75-26
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX & STACK (Cont.)								
M	1	SMOKE STACK (Type TAPER) 3	1	752 B 5024		—	75-29	—	—	—
	2	Smoke Stack Base								
	3	" " Extension								
	4	" " Top								
	5	" " Cone								
	6	" " " Bracket								
	7	" " " Brace								
	8	" " " "								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11	" " Hood								
	12	" " Ring								
	13	" " "								
	14	" " " Angle								
M	15	" " Saddle 3	1	752 B 5033		—	75-34	—	—	—
	16									
	17									
	18	GROUP 76—SPRINGS								
M	19	Truck Bolster Springs 10	40	762 A 5003 3/4	7/8 x 3 3/4" x 6" PURCHASED	29357 F 6-23-26				
M	20	" Pedestal "	4	762 A 5008						
	21	Drawgear Springs	—							
	22									
	23									
	24									
	25									
	26	GR'P 78—STE. GAUGE SAF. VAL. & TUR.								
M	27	Steam Gauge 3	1	5 1/2" ASHCROFT BRASS RING		—	—	—	—	—
	28									
M	29	Safety Valve 3	2	2" CONSOLIDATED FORM H		—	—	—	—	—
	30	" "								
	31	" " Elbow								
	32	" " Turret								
	33	" " " Bushing								
	34	" " " Ring								
	35	" " " Casing								
	36	" " " Flow-Bowl								
M	37	TURRET	1	783 B 5006					78-1	
M	38	" Ball Joint	1	A-11424 SET 1					78-5	
M	39	" Stuffing Box 3	1	782 A 5005					78-2	
M	40	" " " Nut	1	"	STICK BRASS				—	
	41	" " " Follower	—							
M	42	" Master Valve	1	782 A 5005	—				78-3	
M	43	" " " Nut	1	"	STICK BRASS					
M	44	" " " Stem	1	"	" "					
M	45	" " " Hand Wheel	1	"			27-14			
M	46	" Bonnet Ring	1	"			—		78-4	
	47	Turret (Auxiliary)	—							
	48	GROUP 79—STEAM PIPES & TEE HEADS								
M	49	STEAM PIPES 3	1	793 A 5007		—	79-666	—	—	—
	50	" " Slip Joint								
	51	" " " " Gland								
	52	" " Elbow								
	53	" " " Support								
	54	" " Tee Head								
M	55	" " Joint Ring—Top 3	1	792 H 5042		—	79-21	—	—	—
M	56	" " " " —Bottom 3	1	792 J 5042		—	79-21	—	—	—
	57	" " " "								
	58	" " " " Gland								
	59	" " Casing	1	TO SUIT ERECT. SHOP	SHEET IRON					
	60	" " Flange								
	61	" " Nipple								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 81—SUPERHEATER								
	1	Superheater Arrangement								
	2	" Header								
	3	" " Support								
	4	" " "								
	5	" Return Bends								
	6	" " "								
	7	" Tube End								
	8	" " Joint								
	9	" " Clamp								
	10	" " " Washer								
	11	" " " Bolt								
	12	" " " " Washer								
	13	" " Support								
	14	" " Bands								
	15	" Unit								
	16	" Damper								
	17	" " Cyl.								
	18	" " " Arm								
	19	" " " Support								
	20	" " Arm								
	21	" " Rod								
	22	" " Shaft								
	23	" " "								
	24	" " " Bearing								
	25	" " " "								
	26	" " " "								
	27	" " " "								
	28	" " " Link								
	29	" " Counterweight								
	30	" " " Arm								
	31	" " Hinge								
	32	" " Flag								
	33	" Deflector Handle								
	34	" " Clamp								
	35	" " Plate Stud								
	36	**GROUP 82—TANK VALVES**								
M	37	TANK Valve—Water	2	823A5006			—		82-22	
M	38	" " Body	2	"			82-23			
M	39	" " " Plate	2	"			82-19			
M	40	" " Bottom Plate	2	"			82-20			
M	41	" " Top "	2	"			82-18			
M	42	" " Cap	2	"			82-16			
M	43	" " Seat	2	"			—		82-21	
M	44	" " Stem	2	A-15147 STYLE 1		151-F-2	—			
M	45	" " " Nut	2	823A5006			82-17			
M	46	" " " Handle	2	"			82-14			
M	47	" " " Clamp Nut	2	"			82-15			
M	48	" " Strainer	2	"			—			
	49	Siphon Arrangement	—							
M	50	Siphon 3	1	822A5001			82-29			
M	51	" Tube 3	1	"			82-30			
M	52	" Pipe Flange	1	11305 LINE 3			82-42			
	53	" Goose Neck								
	54	" Stand Pipe								
	55	" " " Flange								
	56	" " " "								
	57	" Hose Strainer								
M	58	" " " Body 3	1	15142 LINE 1			82-24			
M	59	" " " Cap 3	1	"			82-25			
M	60	" " Nipple 3	2	11329 LINE 4	4" PIPE		—			
M	61	" " Bracket 3	5	TO SUIT ERECT. SHOP		113-F-18	—			

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 82—TANK VALVES (Cont.)								
	1	Tank Valve—Oil								
	2	" " Seat								
	3	" " Cap Plate								
	4	" " Plate								
	5	" " Rod								
	6	" " Screen								
	7	" " Nut								
	8	" " Flange								
	9	" " Lever								
	10	" " Stem								
	11	" " " End								
	12	" " " Stuffing Box								
	13	" " " " " Nut								
	14	" " " " " Gland								
	15	" " " " " Follower								
	16	" Cock								
	17	" Cooler Cock								
	18	Tank Measuring Rod								
	19	" " " Flange								
	20	" " " Handle								
	21	" " " Guard								
	22	" " " "								
	23									
	24	**GROUP 83—TANK—ENGINE**								
	25	Fuel Bunk								
	26	" " Rack								
	27	" " Tie Rod								
	28	" " Straps								
	29	" " Lugs								
	30	" " Gate								
	31									
	32									
	33	**GROUP 85—TENDER FRAME**								
	34	Tender Frame								
	35	" " Angle								
	36	" " "								
	37	" " "								
	38	" " "								
	39	" " Bolster—Top								
	40	" " " —Bot.								
	41	" " Brace								
	42	" " "								
	43	" " "								
	44	Frame Centre Plate								
	45	" End Casting								
	46	" " Timber Brace								
	47	" Side Bearings								
	48	**GROUP 87—TENDER DECK, TOOL BOX**								
	49	Tool Box	—							
	50									
	51	**GROUP 88—TENDER TANK**								
M	52	Tank—Water	1	883 B 5040	KNOCK DOWN & BOX FOR EXPORT					
M	53	" Material Bill	1 SET	88MD 5040						
M	54	" Funnel	1	882 C 5002	} PLATE					
M	55	" " Lid	1	882 C 5003	}					
M	56	" " ~~Hinge~~ RING	1	"		88A 5003				
M	57	" " Handle	1	"		151-F-135				
M	58	" " ~~Hinge Lug~~ RING	1	882 C 5002		88A 5002				
M	59	" " " ~~Pin~~ "	1	"		151-F-111				
M	60	" LUG ~~Angle~~	1	A-15139 STYLE 2		470-5-138				
M	61	" Lug	3	A-15139 " 5		470-5-137				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 88—TENDER TANK (Cont.)								
	1	Tank—Headlight Bracket	—			—				
m	2	" —Ladder	XR	A-1513		151-F-20	7	7	7	7
m	3	" "	XL	"		151-F-20				
m	4	" —Coal Gate	1	To Suit Erect. Shop	Wood	—				
m	5	" —~~Fuel Rack~~ Angle	2	883B 5040		151-F-138				
m	6	" —Shoveling Sheet	2	3/16 x 29¼ x 128	Plate	—				
	7	" " "								
	8	Tank—Oil								
	9	" Material Bill								
	10	" Funnel								
	11	" " Cover								
	12	" " " Eye Bolts								
	13	" " " Tail Nuts								
	14	" " " Handle								
	15	" " Lug								
	16	" " "								
	17	" " Ring								
	18	" " Angle								
	19	" Lug								
	20	" "								
	21	**GROUP 91—THROTTLE & DRY PIPE**								
m	22	Throttle Arrangement	1	914A 5008		—	—	7	7	7
m	23	Throttle Valve	1	B-12124 Set 4	912A 5079	7	91-7			
m	24	" Case	1	913A 5022			91-468			
m	25	" Valve Stem	1	912C 5052		912C 5052	—			
	26	" " " Stop	—							
m	27	" Pipe Elbow	1	913A 5022		7	91-469	—	7	7
m	28	" Pipe Flange	1	912A 5068			—	91-471		
m	29	" " Joint Ring	1	913A 5022			79-661	7		
m	30	" Bell Crank	1	B-12161		B-12161	7			
m	31	" " " Fulcrum	1	12161 Set 2		121-F-92				
	32	" Pipe Support	—							
m	33	" " Yoke	1	914A 5008		91-A-5026	7	7	7	7
m	34	" " Bracket	1R 1L	"		91 A 5027				
m	35	" " " Liners	2	"	To Suit Erect. Shop	7				
w	36	" Stuffing Box	1	912A 5050			91-14			
m	37	" " " Gland	1	"			91-15			
	38	" " " Flange								
	39	" Baffle Plate								
	40	" " "								
	41	" " " Handle								
	42	" " " Angle								
	43	" " " Studs								
	44	" " " Nuts								
	45	" " " Keys								
m	46	THROTTLE LEVER	1	913A 5018	91A5029	121-F-70	7	7	—	7
m	47	Throttle Lever Handle	1	D-1315 Line 3		—			68-3	
m	48	" " Latch	1	913A 5018		Fin. Sizes 1¼" x 2½" x 5¼"			7	
m	49	" " " Rod	1	"	91C5028	121-F-168				
m	50	" " Links	2	"	to suit	121-F-136				
m	51	" " Quadrant	1	"		—		91-21		
m	52	" " Fulcrum	1	B-12103 Line 2		91B5030	7	—	7	7
	53	" " Guide	—			91A 5031				
m	54	" " Rod	1	913A 5018	91A5031	~~121-F-172~~	—	—	—	—
m	55	" " Support	1	To Suit Erect. Shop		121-F-75	—	—	—	—
	56	DRY PIPE								
	57	" " Ring								
	58	" " Support								
	59	" " "								
	60	" " Yoke								
	61	" " Elbow								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS								
	1	Brake Shoes								
	2	Chisel—Cape								
	3	" —Flat								
	4	Hammer—Soft								
	5	Jack Screw			Wood Handle					
	6	" " Cap								
	7	" " Base								
	8	" " Collar								
	9	" "								
	10	" " Cap								
	11	" " Base								
	12	" " Collar								
	13	Journal Brass Rod								
	14	Packing Hook								
	15	" Spade								
	16	Pinch Bar								
	17	Jack Bar								
	18	Torch								
	19	" Cap								
	20	" Nozzle								
	21	Valve Tram								
M	22	Wrench List	1 SET	92M05010			—	—	—	—
	23	Ash Hoe								
	24	" " Handle								
	25	Clinker Hook								
	26	Poker								
M	27	Wrecking Frogs	1 PAIR	No. 4 LIMA			—	—	—	—
	28	Grease	—							
M	29	~~Oil~~ TOOL EQUIPMENT	1 SET	923A5004			—	—	—	—
	30	**GROUP 93—TRUCKS & DETAILS**								
M	31	TRUCK Plan	2	937D5009		—				
M	32	" Bolster	2 SET	933A5101		—				
M	33	" " End Casting—R.	2	932A5300			—	—	—	—
M	34	" " " " —L.	2	"				93-163		
	35	" " " Separator	—					93-163		
M	36	" " Spring Centers	80	A-9548			—	93-53	—	—
	37	" "								
	38	" "								
	39	" " Brake Rod Roller								
	40	" " " " " Brkt.								
	41	" " " Lever Guide								
	42	" " " " "								
M	43	" Center Plate	2	932A5415				—	93-133		
M	44	" Side Bearing Base	4	932A5250				93-6			
M	45	" " " Block	2	932J5404				93-81		
M	46	" ~~Frame~~ " "	2	932K5404				93-81		
	47	" "								
	48	" " Splice								
	49	" " "								
M	50	" Right Arch Bar	2	9751 LINE 2	932A5451	97-F-37				
M	51	" Left Arch Bar	2	"	932A5451	97-F-37				
M	52	" Right Inverted Arch Bar	2	"	932A5451	97-F-38				
M	53	" Left Inverted Arch Bar	2	"	932A5451	97-F-38				
M	54	" Bottom Tie Bar	1	932A5366		932A5366				
M	55	" " " "	1	932B5366		932B5366				
M	56	" " " " ~~Angle~~	1	932A5365		932A5365				
M	57	" " " " —	1	932B5365		932B5365				
	58	" " " Fill. Block	—							
M	59	" Column—Right	2	932H5081		—		—	93-170	—
M	60	" " —Left	2	932J5298		—		—	93-172	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 93—TRUCKS & DETAILS (Cont.)								
M	1	Truck Crosstie Bar—Top 10	4	932M5356		932M5356	—	—	—	—
	2	" " " "	—							
	3	" " " " Angles	—							
	4	" " " " "	—							
M	5	" " " —Bottom	2	932L5367		932L5367	7	7	7	7
M	6	" " " " 10	2	932M5367		932M5367				
M	7	" " " " Fill Block	8	"		1½" x 3" x 5"				
	8	" " " —Center	—							
	9	" " " "	—							
M	10	" Diagonal Braces	4 R	A-9786 Line 9		97-F-693 O.K.	—	—	—	—
M	11	" " " 10	4 L	"		97-F-693	—	—	—	—
	12	" " "	7							
	13	" " "								
	14	" Equalizer								
M	15	" Gear Cover	4	932A5376	PLATE	—	—	—	—	—
M	16	" " " 10	4	932A5377	PLATE	—	—	—	—	—
	17	" " "	—							
	18	" " "	—							
M	19	" " " Bracket	4	932A5378	PLATE	—	7	7	7	7
M	20	" " " "	4	932B5378	PLATE	—				
M	21	" " " " 10	4	932A5263		5/8" x 2" x 30¼"				
M	22	" " " " GUIDE	8	932A5260	PLATE	—				
	23	"	—							
M	24	" King Bolt	2	10153 SET 1		10153 SET 1	—	—	—	—
M	25	" " " Key	2	10153 " 4		10153 " 4	—	—	—	—
	26	" Safety Chain—To Frame	—							
	27	" " " " "	—							
	28									
	29									
	30									
M	31	TRUCK BOX—Right 10	4	933B5027		—	—	93-62	—	—
	32	" " "	7							
	33	" " "								
	34	" " "								
M	35	" " Cap—Right 10	4	932A5066		—	93-159	—	—	—
	36	" " " "	7							
	37	" " " "								
	38	" " " "		933A5106						
M	39	" Pedestal	4	~~9300 SET 4~~		—	—	93-206	7	7
M	40	" " Cap	4	932A5058		—	93-195	7	7	7
M	41	" " " Shim 10	16	"		FIN. SIZES 1/8" x 1½" x 8¾"	7			
M	42	" " " "	32	"		FIN. SIZES 1/32" x 1½" x 8¾"				
M	43	" " " "	8	"		FIN. SIZES ¼" x 1½" x 8¾"				
	44	" " " "	—	932A5204						
M	45	" Box—Inside	4	~~9326 SET 1~~		—	7	93-175	7	7
M	46	" " Cap—Inside	4	9326 " 2	932A5455		93-176	7	7	7
M	47	" Inside Box Spring Center	4	932B5313			93-25			
M	48	" " Thrust Plate 18	4	9305 SET 4	932A5481	—	—	—	93-24	
M	49	" Journal Brass	9	932A~~5409~~ 5049		—	—		93-41	
	50	" " " Wedge	—							
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 94—VALVES—DISTRIBUTION								
	1	Piston Valve								
	2	" " Follower								
	3	" " T-Ring								
	4	" " Snap Ring								
M	5	Slide Valve	3	942 A 5030		—	94-24	—	—	—
M	6	" " Plate	3	"		—	94-25	—	—	—
	7	" " Packing Strip	—							
	8	" " " "	—							
M	9	" " Ring—Mat'l For	3	653 L 5001	Pot Pattern	—	65-91	—	—	—
M	10	" " Spring	3	#2 → 762 A 5009		—	—	—	—	—
	11									
	12									
	13	VALVE STEM	—							
M	14	" " Crosshead	3	8018 SET 4			94-4			
M	15	" " " Guide	3	932 A 5032			94-9			
M	16	" " " " Plate	6	"			94-10			
	17	" " " Gibs	—							
	18									
M	19	VALVE YOKE	3	942 B 5060		76-F-25	—	—	—	—
	20	" " Block	—							
M	21	" " Key	3	8006 SET 2	CHROME VANADIUM	—	—	—	—	—
M	22	VALVE STEM PACKING	3 SET	GARLOCK		—	—	—	—	—
	23	Packing Rings								
	24	" Spring Washer								
	25	" Swab Cup								
	26	" Vibrating Cup								
	27	" Follower								
M	28	" Stuffing Box	3	652 A 5116		—	65-463	—	—	—
M	29	" " " Gland	3	"		—	65-464	—	—	—
	30	" Spring	—							
M	31	" Studs, Valve Stem	9	7738 SET 10		—	—	—	—	—
	32									
	33	GROUP 95—WHEELS AND TIRES								
M	34	Wheel	8	953 H 5020		—				
M	35	Tire	8	A-9991	SEC. #115	—	95-346	—	—	—
	36	Hub Plate	—				—	—	—	—
	37									
	38									
	39	GROUP 96—WHISTLE AND RIGGING								
M	40	WHISTLE	1	5" C.I. CHIME	PURCHASED	—	—	—	—	—
	41	" Bowl								
	42	" Bell								
	43	" Valve								
	44	" Gland								
	45	" Nut								
	46	" Diaphragm								
MM	47	" Lever	1	962 A 5010		962 A 5010	—	—	—	—
	48	" Elbow	—							
	49	" Rigging	—							
MM	50	WHISTLE Hand Lever	1	A-11149	POLISHED	111-F-10	—	—	—	—
	51	" " " Fulcrum	—							
	52	" Rod	—							
MM	53	" Bell Crank	1	A-11149		111-F-11	—	—	—	—
	54	" Rod Thimble	—							
	55	" " " Washer	—							
	56									
	57	GROUP 99—MISCELLANEOUS								
	58	SPEED RECORDER RIGGING	—							
	59									
	60									
	61									

CLASSIFICATION OF DRAWINGS
GEARED LOCOMOTIVE

Group No.	TITLE
10	Ash Pan and Oil Pan
11	Axles
12	Bell and Ringer Blow-off Cock—See 26 Blower Pipe Elbow—See 63
13	Boilers
14	Boiler Details and Attachments—Tubes and Flues. Boiler Checks—See 55
15	Bolts and Nuts, Studs, Pins and Bushings Boxes, Shay Engines—See 93
18	Brackets, Air and Steam Gauge Brackets, Shay Cylinder, Steam and Cylinder Bottom Brackets
20	Brake Equipment, Foundation, All Brake Equipment, Engine and Tender Brick Arch—See 45
21	Bumpers and Details By-pass Valve—See 34
22	Cabs
23	Cab Details, Apron, Brackets, Door Fixtures, Ventilator, etc. Cab Handle—See 53 Cab Lamp—See 54 Cab Tool Box—See 23 Cab Turret—See 78 Chafing Plate—See 48 Cinder Valve and Pipe—See 75 Clearances—See 98 Coal Pusher—See 88
26	Cocks and Valves, Cylinder and Blow-off Cocks, Globe Valves
27	Cocks and Valves, Gauge, Water and Special
28	Cock Rigging Connecting Rods—See 72 Coupler, Engine—See 37 Coupler, Tender—See 37
29	Crank Pins and Details
30	Crossheads, Arm, Pin, Key and Shoes Crossties—See 48
31	Cylinders and Barrel Bushings
32	Cylinder and Steam Chest Heads and Covers, Steam Chests and Bushings
34	Cylinder By-pass, Relief, Vacuum and Drifting Valves
35	Die Work—Flanging Dies
36	Dome—Cap, Casing and Ring
37	Draw-Gear, Engine, Coupler, Uncoupling Rigging Front Buffers, Drawbars, Safety Chains and Bars All Drawgears F and B Drawgear, Tender—See 37 Draft Pipe—See 75 Dry Pipe—See 91
39	Eccentrics, Cranks, Straps and Rods Engine Truck—See 93
42	Erecting Cards—Elevations
43	Erecting Cards—Cross Sections
44	Exhaust Pipe and Nozzles Expansion Pad, Knee and Plate—See 48 Feed Water Attachments—See 55
45	Fire Door, Fire Brick and Tubes, Smoke Consumer Fire Box Ring—See 14 Fire Extinguisher—See 64
48	Frames and Details
49	Gauges, Templates and Jigs
50	Guides, Yoke and End
51	Grate Arrangement
52	Grate Details Hand Holes—See 66
53	Hand Rail and Steps, Engine and Tender
54	Headlights and Signal Attachments, Lamps, Electric Wiring, Builders License and Number Plates
55	Injectors, Boiler Checks and Strainers Keys—See 15

Group No.	TITLE
57	Lagging and Jacket Lamps—See 54
58	Link Motion Mud Drum—See 14 Number Plates—See 54
59	Oil and Grease Cups, Lubricator and Bracket, Oil Can Holder, Flange Lubricator
60	Oil Burning Attachments—Engine Oil Burning Attachments, Tender—See 82
61	Painting, Lettering and Numbering—Photo
62	Pilot and Snow Plows
63	Pipe Fittings and Clamps, Air, Steam, Water and Lubricator Pipe Fittings
64	Piping Arrangements, Engine and Tender, Air Brake, Cooling, Oil Heater, Sprinkler and Steam Heat Piping
65	Piston and Rod, Extensions, Rod Packing
66	Plugs, Hand Holes and Washout Push Pole Pocket—See 21
68	Reverse Lever, Screw and Pneumatic Gears
69	Reverse Shaft and Reach Rod
70	Rocker and Box
71	Running Boards & Brackets, Side and Deck Sheets
72	Rods—Connecting and Stubs Safety Valves—See 78
73	Sand Box, Sanders and Rigging Side Sheet, Cab—See 71 Signal Attachments—See 54
74	Shafts—Crank, Line, Square, Crank, Counterbalance, Couplings, Brasses, Pinions, Gears, etc.
75	Smoke Box Arrangement, Front and Door, Smoke Stack and Extensions, Smoke Box Braces Smoke Consumer—See 45 Speed Recorder—See 99
76	Springs Sprinkler—See 64 Steam Chests—See 32
78	Steam Gauge, Safety Valve and Turrets Steam Heat—See 64
79	Steam Pipes and Tee Heads Steps—See 53
80	Stoker and Details, Engine and Tender
81	Superheater, Header and Details Superheater Flues—See 14
82	Tank Valves—Oil and Water, Handle, Well, Goose Neck, Strainer, Hose
85	Tender Frames
87	Tender Deck, Tool Box
88	Tender Tank—Water and Oil, Filling Hole, Tank Funnel, Coal Gate, Coal Pusher Tender Truck—Shay Engines—See 93
91	Throttle and Dry Pipe—Lever, Supports, Sleeves Tires—See 95 Tool Boxes, Engine—See 23 Tool Boxes, Tender—See 87
92	Tools
93	Trucks and Details, Shay Engine, including Boxes and Bearings Tube Setting—See 14 Turret, Safety Valve—See 78 Turret, Air—See 20
94	Valves, Distribution—Stems, Rods, Valve Rod Crosshead and Packing Valve Rod Crosshead Guide—See 94 Waist Sheets—See 48
95	Wheels and Tires—Driving Engine, Truck, Trailing, Tender Wheels
96	Whistle and Rigging
97	Preliminary Designs and Propositions
98	Clearance and Wheel Base Diagrams
99	Miscellaneous

Material Specifications

Erecting Card -
Sections -
Frame -
Expansion Plates -
Truck -

LIMA LOCOMOTIVE WORKS, INCORPORATED

Form ED 100 PPCo.

SHEET NO. 1 TOTAL NO. SHEETS SOLD TO Pacific Commercial Co.

LOCO. NO. 3234 CYL. SIZE 11"x12" SALES ORDER NO. R/6903

ESTIMATE NO. 9351 SHIP TO Export ISSUED 6-4 1936

DELIVERY PROMISED MANIFEST NO. COMPLETE PARTIAL COMPLETED 19

	ITEM	ASSEMBLED UNITS	COMPOSING UNITS	NAME OF PART	CARD NO.	CONSTRUCTION NOTES	PATTERN OR SKETCH NO.	OLD PATTERN NO.	STOREKEEPER'S CHECK: DEL'D TO SHIPPING DEPT	STOREKEEPER'S CHECK: STOCK ASSIGNED	STOREKEEPER'S CHECK: PROCESS ON S. O.	STOREKEEPER'S CHECK: MATERIAL TO BE ORDERED BY PUR. DEPT.	DEPT'S INVOLVED SHIPPER'S CHECK: REC'D	DEPT'S INVOLVED SHIPPER'S CHECK: SHIPPED	INSPECTOR'S CHECK
	1	6		Slide Valve Bal. Plate Springs	762A5009										
	2														
	3	2		Injector Check Valves 1½" Swing for 200# Pressure											
	4	2		" Stop Cocks	552D5010										
	5														
	6	3		Injector Valves 1½" Crane #1835 & 1¾" C.P. Union											
	7														
	8	1		Water Glass - Complete #9 Nathan Reflex											
	9		1	" " Upper Fitting	¾" Nathan										
	10		1	" " Lower "	¾" "										
	11														
X	12	2		Injectors (~~Less Nut & Tail Piece~~) #7 Nathan Lifting & Monitor - Lever Handle Type "88"											
	13			with 1¾" C.P. steam conn. & 1½" iron fire station & delivery											
	14	1		Injector St. Pipe - Right. 1¾" O.D. x .120 Thick x 42" Long. Copper Pipe											
	15		1	" " " Tail Piece & Nut From Crane Valve #1835											
	16		1	" " " " " & " " #7 Nathan Injector Pc. # 34 & 35											
	17														
	18	1		Injector St. Pipe - Left. 1¾" O.D. x .120 Thick x 42" Long. Copper Pipe											
	19		1	" " " Tail Piece & Nut From Crane Valve #1835											
	20		1	" " " " " & " " #7 Nathan Injector. Pc. # 34 & 35											
	21														
	22	1		Coupling Ring Complete	743A5010			C.S. 74-16							
	23		1	" " Half (2 Pcs.)	743B5010			C.S. 74-17							
	24		4	" " Bushing	742A5035			BR. 74-19							
	25		4	" " Oil Cellar	742A5034			C.I. 74-18							
	26		8	" " Bolts	742C5320	25/32" x 5¾"									
	27		16	" " " Nuts	¾" STD.										
	28														
	29	1		Sq. Shaft - Front	742F5250	4"x4"x34¾"									
	30														
	31														
	32														

Form ED 100 Pr

LIMA LOCOMOTIVE WORKS, INCORPORATED

SHEET NO. 2 TOTAL NO. SHEETS SOLD TO Pacific Commercial Co. SALES ORDER NO. R 16903

LOCO. NO. 3234 CYL. SIZE 11"X12" ISSUED 6-4- 1936

ESTIMATE NO. 9351 SHIP TO Export COMPLETE PARTIAL COMPLETED 19

DELIVERY PROMISED MANIFEST NO.

ITEM	ASSEMBLED UNITS	COMPOSING UNITS	NAME OF PART	CARD NO.	CONSTRUCTION NOTES	PATTERN OR SKETCH NO.	OLD PATTERN NO.	STOREKEEPER'S CHECK: DEL'D TO SHIPPING DEP'T	STOREKEEPER'S CHECK: STOCK ASSIGNED	STOREKEEPER'S CHECK: PROCESS ON S. O.	STOREKEEPER'S CHECK: MATERIAL TO BE ORDERED BY PUR. DEPT.	DEPT'S INVOLVED SHIPPER'S CHECK: REC'D	DEPT'S INVOLVED SHIPPER'S CHECK: SHIPPED	INSPECTOR'S CHECK
1	3		Conn. Rod Straps	722B5086	DRILL HOLES	1/16" UNDER SIZE	✓							
2		3	" " " Grease Plugs	592A5025	BAR STL.	C.I. ~~59-355~~	✓							
3														
4	4		Left Truck Pedestals Comp.	933A5106		C.S. 93-206	✓							
5		4	" " " Caps	932A5058		C.I. 93-195	✓							
6		24	" " " Bolts		3/4" x 3 3/4" LONG.									
7		48	" " " " Nuts		3/4" STK.									
8		16	" " " Shims		1/8" x 1 1/2" x 8 3/4"									
9		32	" " " "		1/32" x 1 1/2" x 8 3/4"									
10		8	" " " "		1/4" x 1 1/2" x 8 3/4"	C.S. 93-175	✓							
11		4	" " " Inside Box	932A5204		C.I. 93-176	✓							
12		4	" " " " " Cap	932A5455		C.I. 93-25	✓							
13		4	Inside Box Spring Center	932B5313		BR. 93-24	✓							
14		4	" " Thrust Plate	932A5481		BR. 93-41	✓							
15		4	Journal Brass	932A5049										
16		4	Truck Pedestal Springs	762A5008										
17														
18	1		Steam Turret - Comp.	783B5006	LESS INJ. VALVES.	BR. 78-1	✓							
19		1	Blower Valve 3/4" CRANE #1837											
20		1	Brake " 3/4" " #1835											
21		1	Siphon " 1 1/2" " #1835											
22		1	Lubricator " 1" NATHAN COPPER PIPE CONN. 1"			BR. 78-3								
23		1	Master Valve - Comp.	782A5005										
24		1	" " Nut	"	STK. BR.									
25		1	" " Stem	"	" "									
26		1	" " Stuff. Box	"		BR. 78-2								
27		1	" " " Follower	"	STK. BR.									
28		1	" " " Nut	"	" "									
29		1	" " Bonnit Ring	"		BR. 78-4								
30		1	" " Hand Wheel	Crane 4" STANDARD.										
31														
32														

Form ED 100 PPCo.

LIMA LOCOMOTIVE WORKS, INCORPORATED

SHEET NO. 3 TOTAL NO. SHEETS SOLD TO Pacific Commercial Co. SALES ORDER NO. R 16903

LOCO. NO. 3234 CYL. SIZE 11x12 ISSUED 6-4- 1936

ESTIMATE NO. 9351 SHIP TO Export COMPLETE PARTIAL COMPLETED 19

DELIVERY PROMISED MANIFEST NO.

ITEM	ASSEMBLED UNITS	COMPOSING UNITS	NAME OF PART	CARD NO.	CONSTRUCTION NOTES	PATTERN OR SKETCH NO.	OLD PATTERN NO.	STOREKEEPER'S CHECK: DEL'D TO SHIPPING DEPT	STOREKEEPER'S CHECK: STOCK ASSIGNED	STOREKEEPER'S CHECK: PROCESS ON S. O.	STOREKEEPER'S CHECK: MATERIAL TO BE ORDERED BY PUR. DEPT.	DEPT'S INVOLVED SHIPPER'S CHECK: REC'D	DEPT'S INVOLVED SHIPPER'S CHECK: SHIPPED	INSPECTOR'S CHECK
1														
2	4		Brake Heads	203A5009		C.S. 20-22								
3														
4	2		Brake Beam Lever Fulcrums	202A5163		C.S. 20-87								
5														
6	1		Frame End Channel-Front	213-K-5008	12"-40# 102" LONG									
7	1		" " " -Rear	213-L-5008	12"-40# 102" "									
8														
9	4		End Timber Angle Braces	11090 SET 12		C.S. 48-57								
10														
11	2		ENG. FRAME Bolster Center Plate	482-E-5111		C.S. 48-656								
12														
13	1		Ash Pan-Complete	11956 LN. 5										
14		1 Set	" " Plates	10 M.O. 5000-A										
15		1	" " Damper Bell Crank	11956 LN. 5			119-F-71							
16		1	" " " " "Fulcrum	" "		$1\frac{1}{2}$" x $3\frac{7}{8}$"								
17		1	" " " " " "Nut			$\frac{5}{8}$" x $\frac{1}{2}$"								
18		4	" " " Hinge	$5\frac{1}{2}$" x 2" x $7\frac{1}{2}$"	Half Butt.									
19		1	" " " Lift-Front	11956 LN. 5			119-F-85							
20		1	" " " " -Rear	"			119-F-86							
21		1	" " " Lug	"			119-F-53							
22		1	" " " "	"			119-F-34							
23		1	" " " Rod Jaw	"			119-F-31							
24		1	" " " " "	"			119-F-67							
25		1	" " " "	"		$\frac{3}{4}$" Iron Pipe	72" Long.							
26		27 Ft.	2" x 2" x $\frac{1}{4}$" ANGLE											
27		21 Ft.	3" x 3" x $\frac{1}{2}$" "											
28		23 Ft.	2" x $\frac{1}{4}$" BAR IRON											
29		1 Set	RIVETS											
30		8	ASH PAN CLEANING DOOR HINGE			$4\frac{1}{2}$" x $1\frac{3}{4}$" x 6" HALF BUTT.								
31														
32														

Form ED 100 PPCo.

LIMA LOCOMOTIVE WORKS, INCORPORATED

SHEET NO. 4 TOTAL NO. SHEETS SOLD TO Pacific Commercial Co.

LOCO. NO. 3234 CYL. SIZE 11"x12" SALES ORDER NO. R 16903

ESTIMATE NO. 9351 SHIP TO Export ISSUED 6-4- 1936

DELIVERY PROMISED MANIFEST NO. COMPLETE PARTIAL COMPLETED 19

ITEM	ASSEMBLED UNITS	COMPOSING UNITS	NAME OF PART	CARD NO.	CONSTRUCTION NOTES	PATTERN OR SKETCH NO.	OLD PATTERN NO.	STOREKEEPER'S CHECK: DEL'D TO SHIPPING DEP'T	STOREKEEPER'S CHECK: STOCK ASSIGNED	STOREKEEPER'S CHECK: PROCESS ON S. O.	STOREKEEPER'S CHECK: MATERIAL TO BE ORDERED BY PUR. DEPT.	DEPT'S INVOLVED SHIPPER'S CHECK: REC'D	DEPT'S INVOLVED SHIPPER'S CHECK: SHIPPED	INSPECTOR'S CHECK
1	8		Eng. Frame Bolster Angles	487A5029	1/2"x6"x6"x7 1/2"									
2	8		" " " "	"	1/2"x3 1/2"x6"x7 1/2"									
3														
4	1		Top Bolster Center Plate	932A5415		C.S. 93-133								
5														
6	2		Thrust Plate - Left Truck Fed.	932A5481		BR. 93-24								
7	1		Inside Box Cap - " " "	932A5455		C.I. 93-176								
8														
9	~~2~~		~~End Timber Angle Brace~~	~~11090 SET 12~~		~~C.S. 48-57~~	See item 9 sheet 3							
10														
11	1		Frame Brace Front (DRAWGEAR BRACE)	372 J 5076	3" x 39" Lg.									
12		1	" " Foot	"		C.S. 37-73								
13		1	" " "	"		C.S. 37-74								
14														
15	2		Frame Truss Post R. Side	487A5029	2" x 22" Long.									
16														
17	1		Truss Post Head	12401		C.I. 48-27								
18	2		" " Left Side	487A5029	2" x 19" Long.									
19														
20														
21	6		Gear Rims	743A5037		C.S. 74-62								
22														
23	8		Line Shaft Pinion	742C5102		C.S. 74-63-B								
24														
25														
26														
27														
28														
29														
30														
31														
32														